



312176

**ALLIED PAPER, INC./PORTAGE CREEK/KALAMAZOO RIVER SUPERFUND SITE**

**ALLIED OU**

**Draft Alternatives Analysis Review and Public Meeting Planning**

**MHLLC, USEPA, MDEQ**

**USEPA Region 5 Offices**

77 West Jackson Boulevard

6<sup>th</sup> Floor

Chicago, Illinois

**Call No: 877-999-1272 code 5666193#**

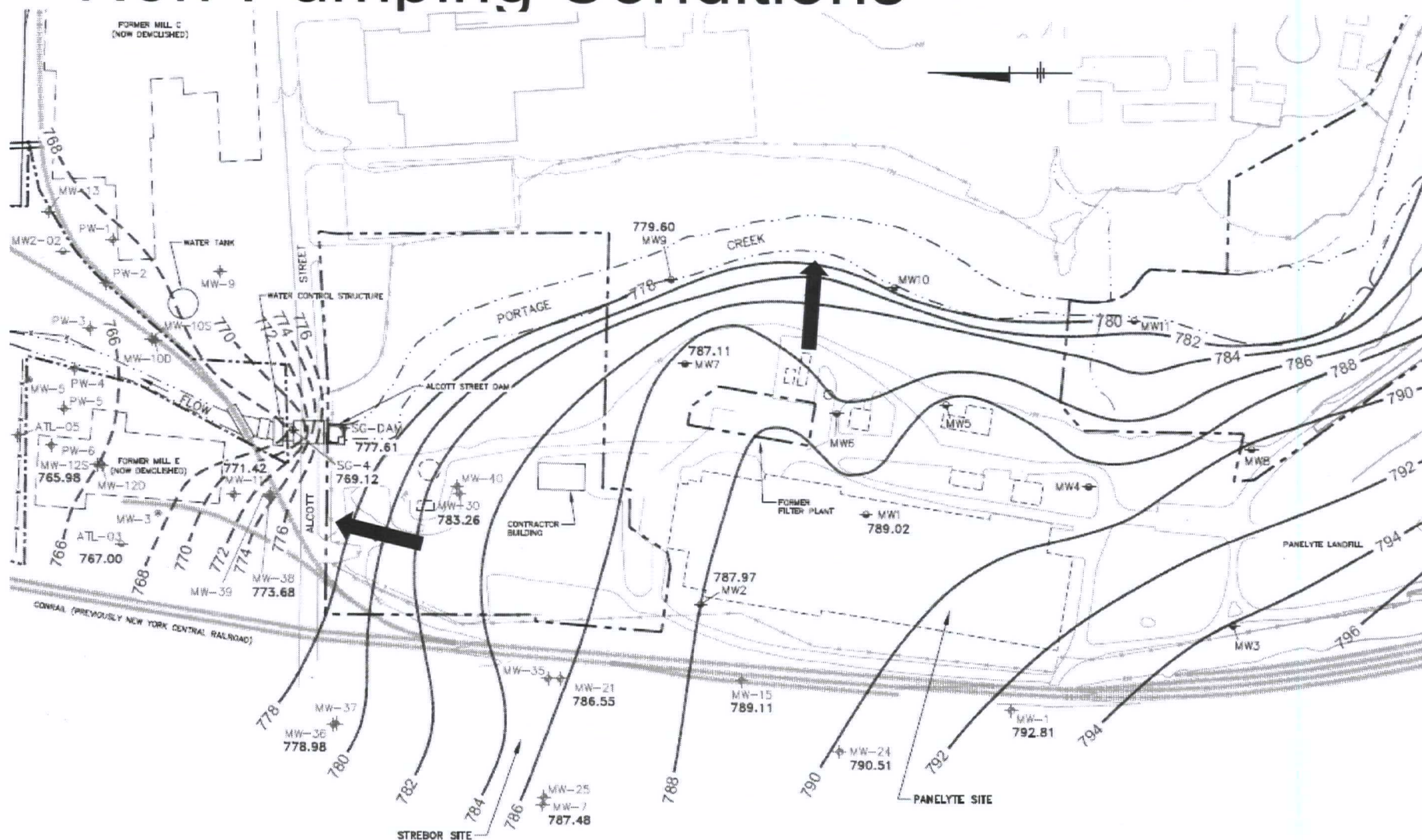
**Tuesday Aug 25, 2009 2 PM CT**

**AGENDA**

- Review of Draft Alternatives Analysis Tables / Area Figure
  - Constituent of Concern
  - RAOs
  - Media of Concern
  - Process Option Screening
  - Alternatives Array and Site Areas
- Interplay between groundwater and soil remedies: framing of contingent groundwater remedy
- AAD Public Meeting Planning
  - Agenda
  - Format
  - Review of Presentation Outline
  - Venue / Logistics Coordination
- Supplemental Groundwater Study Report Update

# Water Table Contours: July 2, 2009

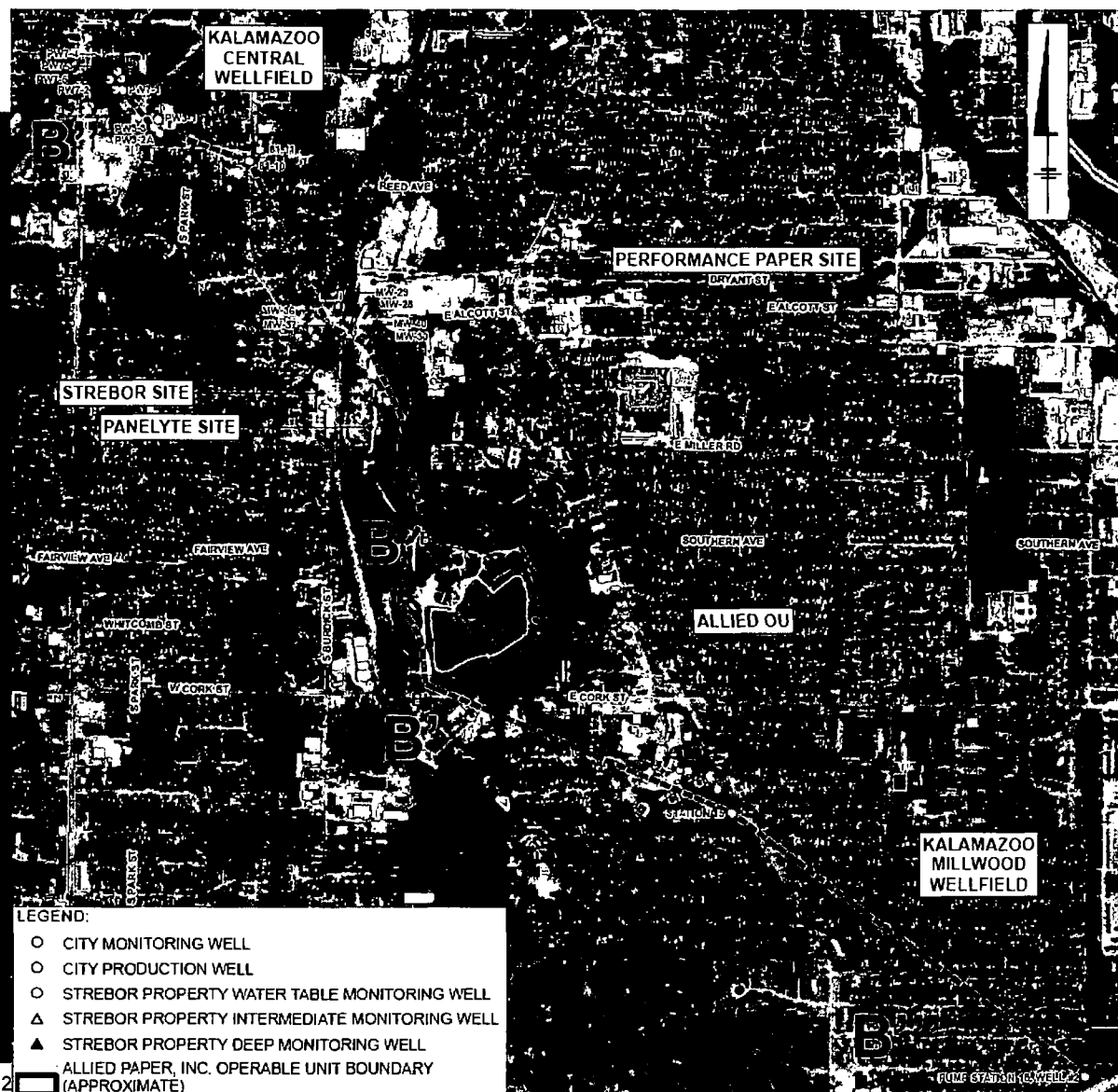
## Non-Pumping Conditions





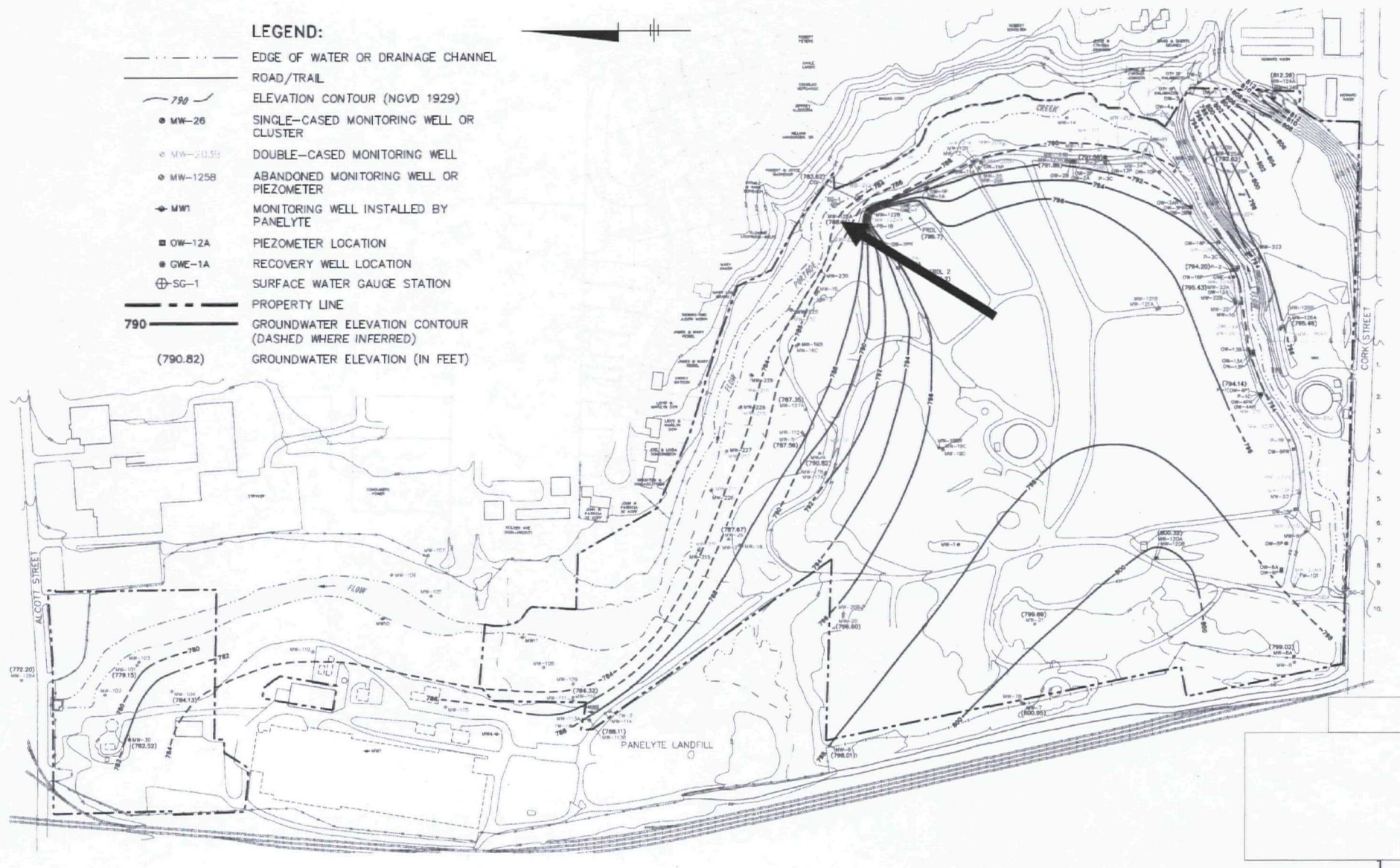
# Cross-Section B"-B'" Location

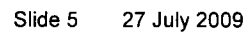
Working Draft – Subject to Change  
Privileged and Confidential  
Prepared at the Request of Counsel



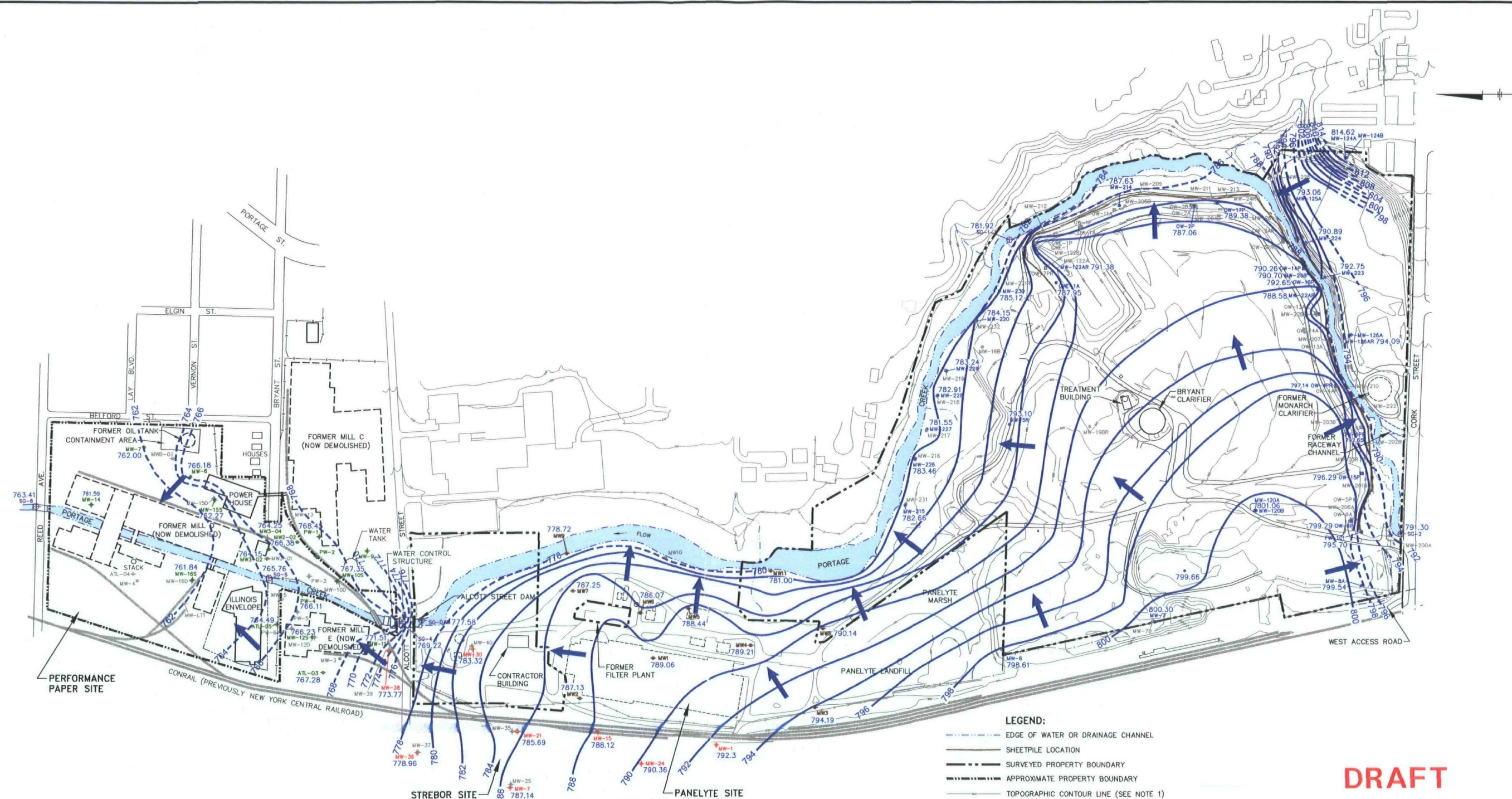


# Water Table Contours - September 9, 1993









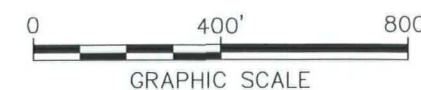
NOTES:

1. TOPOGRAPHIC MAPPING NORTH OF FORMER TYPE III LANDFILL AREA, AND BRYANT HRDLs/FROLS PRODUCED USING PHOTOGRAMETRIC METHODS BY LOCKWOOD, INC. FROM AERIAL PHOTOGRAPHY FLOWN MAY 1991. BASE MAP INFORMATION WITHIN FORMER TYPE III LANDFILL AREA AND AREA NORTH OF WESTERN DISPOSAL AREA FIELD SURVEY OBTAINED FROM PLAN ENTITLED "TOPOGRAPHIC AND BOUNDARY SURVEY OF ALLIED PAPER, INC. KALAMAZOO, MI. SECTION 27, TOWN 2 SOUTH, RANGE 11 WEST," PREPARED BY WADE-TRIM, INC., DATED 7/8/99. BASE MAP INFORMATION WITHIN BRYANT HRDLs/FROLS AREA OBTAINED FROM PLAN ENTITLED "AS BUILT SURVEY OF ALLIED PAPER SITE" PREPARED BY PREIN AND NEWHOFF, KALAMAZOO, MI. DATED 1/27/05 (PROJECT NO. 2000171K). TOPOGRAPHIC CONTOUR LINES INSIDE THE MONARCH HRDL AREA SURVEYED BY PREIN & NEWHOFF SURVEYORS ON 4/03, NGVD 1929. BASE MAP INFORMATION IN THE WESTERN DISPOSAL AREA BASED ON TOPOGRAPHIC SURVEY PERFORMED BY PREIN & NEWHOFF, DRAWING FILE NUMBER 2060643K, DATED SEPTEMBER 27, 2006. BASE MAP INFORMATION AND PERFORMANCE PAPER WELL LOCATIONS BY MACTEC (2002), AND ATLANTIC TESTING (1990) NORTH OF ALCOTT STREET PREPARED BY DIGITIZING A PAPER COPY OF A PDF OF A DRAWING MADE BY "FISBECK, THOMPSON, CARR & HUBER ENGINEERS-SCIENTISTS-ARCHITECTS" TITLED BASELINE ENVIRONMENTAL ASSESSMENT-SITE PLAN PROJECT NUMBER G03561A, DATED 2005, AT A SCALE OF 1"=150'. PERFORMANCE PAPER WELL LOCATIONS BY "ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC." (ECT), DIGITIZED FROM PAPER COPY OF A PDF OF A DRAWING MADE BY "ECT" TITLED "SITE MAP WITH SAMPLING LOCATIONS - FIGURE 4", DATED 2005, AT A SCALE OF 1"=200'.
2. ELEVATIONS ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) 1929.
3. COORDINATE GRID IS REFERENCED TO THE MICHIGAN STATE PLANE (SOUTH ZONE) COORDINATE SYSTEM (NAD83).
4. ALLIED PROPERTY LINES ESTABLISHED USING: WADE-TRIM SURVEY (9/1999)-NORTHERN PARCEL ONLY; ATWELL HICKS, INC. SURVEY (11/2002); AND PREIN AND NEWHOFF SURVEY (12/2002).
5. PORTAGE CREEK OUTLINE WITHIN THE ALLIED PROPERTY UPDATED ON 12/4/02 USING DIGITAL ORTHOPHOTOGRAPHY BY AIR LAND SURVEYS, INC.(4/24/00) SCANNED FROM CDM DRAWING DETSVR/DETLO07770/C:/PROJ/28963/\_GIS/001/001\_REPORT.APR REVISED 11/10/02. PORTAGE CREEK OUTLINE NORTH OF THE ALLIED PROPERTY UPDATED ON 12/4/02 USING A CDM CREEK OUTLINE PREPARED ON 9/23/02 PROVIDED ON COMPACT DISK.
6. PERFORMANCE PAPER, STREBOR AND PANELTZY SITE MONITORING WELLS SURVEY BY PREIN AND NEWHOFF (6/2009).
7. MONITORING WELLS SHADED GRAY NOT USED TO GENERATE GROUNDWATER CONTOURS.

LEGEND:

- |                   |         |   |
|-------------------|---------|---|
|                   |         | EDGE OF WATER OR DRAINAGE CHANNEL                           |
|                   |         | SHEETPILE LOCATION  |
|                   |         | SURVEYED PROPERTY BOUNDARY                                  |
|                   |         | APPROXIMATE PROPERTY BOUNDARY                               |
|                   |         | TOPOGRAPHIC CONTOUR LINE (SEE NOTE 1)                       |
|                   |         | RAILROAD TRACK  |
|                   |         | ROAD/TRAIL  |
| ALLIED OU         | MW-26   | SINGLE-CASED MONITORING WELL OR CLUSTER                     |
|                   | MW-203B | DOUBLE-CASED MONITORING WELL                                |
|                   | OW-12A  | PIEZOMETER LOCATION   |
|                   | CWE-1A  | RECOVERY WELL LOCATION                                      |
| PANELYTE STREBOR  | MW1     | MONITORING WELL INSTALLED BY PANELYTE STREBOR WELL LOCATION |
|                   | MW-1    |   |
| PERFORMANCE PAPER | MW-16S  | MONITORING WELL (ECT-2005)                                  |
|                   | MW-4    | MONITORING WELL (ATLANTIC TESTING-1990)                     |
|                   | SQ-2    | EXISTING SURFACE WATER STAFF GAUGE                          |
|                   |         | STANDING WATER ELEVATION (FEET)                             |
|                   | 795.7   | GROUNDWATER ELEVATION (IN FEET)                             |
|                   | 798     | GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)       |

**DRAFT**



KALAMAZOO RIVER STUDY GROUP  
ALLIED PAPER, INC. / PORTAGE CREEK /  
KALAMAZOO RIVER SUPERFUND SITE  
**ALLIED PAPER, INC. OU**

**WATER TABLE CONTOUR MAP**  
**6/25 - 6/26/2009**

